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I, JULIE BILLINGSLEY, TEAM LEADER EXAMINATION SUPPORT AND SALES hereby certify that annexed is a true copy of the Provisional specification in connection with Application No. 2003903384 for a patent by OWEN DEREK BARR as filed on 03 July 2003.



WITNESS my hand this
Fourteenth day of July 2004

JULIE BILLINGSLEY
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Provisional Specification:

Invention Title: **WALL WRAPPING.**

Technical field: **BUILDING AND CONSTRUCTION.**

The invention is described in the following statement:

wall wrapping

The invention is a flexible multi-layered wrapping, consisting of an outer blanket layer combined with inner layers of known building materials, that collectively can be stretched over a base surface of a building or structure, to provide a durable and flexible web which can
5 support an outer surface render and protective coating.

Essentially, the wrapping provides a strong flexible web over gaps and undulations in the base surface of a structure.

10 In addition it assists in weathering and heat insulation to the building or structure covered.

Drawing:

15 (Attached to this application)

fig I: shows sectional diagram of elements of the wall wrapping

Note: The details indicated in this drawing should be considered in all
20 respects as illustrative and not restrictive.

wall wrapping

General Description: (Refers to the attached drawing, fig I:)

25 The multi-layered wall wrapping consists of a thin protective paper layer(2) that is peeled away from the adhesive substance(3) to allow adhesion between the base surface(1) and inner film of foil(4).

30 The wall wrapping has an inner adhesive substance (3) applied to the inner film of metallic reflective foil (4). A further adhesive substance (5) bonds the foil (4) and a building paper (6). A further adhesive substance (7) bonds the building paper (6) to an outer film of metallic reflective foil (8). A further adhesive layer (9) bonds the outer film of foil(8) to the thin flexible blanket layer(10). Once this wall wrapping (3 to 10) has been attached to the base surface (1), a series of outer protective coatings (11) can be applied over the outer blanket (10).

35 Typically, this thin blanket layer (10) is 2mm to 5mm thick and has sufficient strength and density to provide grip for the outer protective coatings (11). Typically the blanket layer (10) is constructed of a three dimensional matrix of woven or matted plastic with flexible fibres, 40 that provides overall strength and flexibility to the wall wrapping.

45 It is desirable, but not essential that this blanket layer (10) is constructed of a non-corrosive material, typically plastic or fibreglass threads. Recycled plastic may be used to provide these plastic threads.

Application of the Invention:

(refer to the attached drawing, fig I:)

- 50 The invention is preferably manufactured as a multi-layered wrapping form, including items 2,3,4,5,6,7,8,9, and 10, as indicated on the attached drawing "fig I".
- 55 In the application of the wall wrapping, the inner protective paper layer(2) is peeled away from the web of foil (4) to allow the wall wrapping(3 to 10) to adhere (3) to the outer surface of the base wall (1), bridging the small gaps and joints of the base wall (1). Then a series of coatings (11) are applied to the outer blanket layer (10) to assist the wall in weathering, and to provide an even outer surface.
- 60
- In a similar application, the wall wrapping may be attached to an internal base wall to cover the wall including the gaps and cracks in that wall, and to provide a flexible support web for subsequent render or paint.
- 65
- The wall wrapping may be delivered to the building site in a roll form. The wall wrapping is unrolled with its inner surface placed against the base wall, peeling off the sacrificial protective paper layer before sticking the wall wrapping to the wall. Once the first wall
- 70 wrapping is completely rolled out and stuck down to the base wall, a second roll is stuck to the base wall with adjoining edges butting, and the adjacent blanket strands interwoven. This process continues until all of the base wall is covered in wall wrapping. Then, either of the outer surface renders or paints are applied to the blanket layer, and built up to achieve a flat and acceptable surface. The process of rendering the outer surface, can be stopped at any time, and continued at a later time, to suit the site conditions.
- 75
- 80 These protective coatings may be typically (i) a cement render combined with a weather sealant, or (ii) an acrylic paint, or (iii) a plastic surface-render.

Advantages of the Invention:

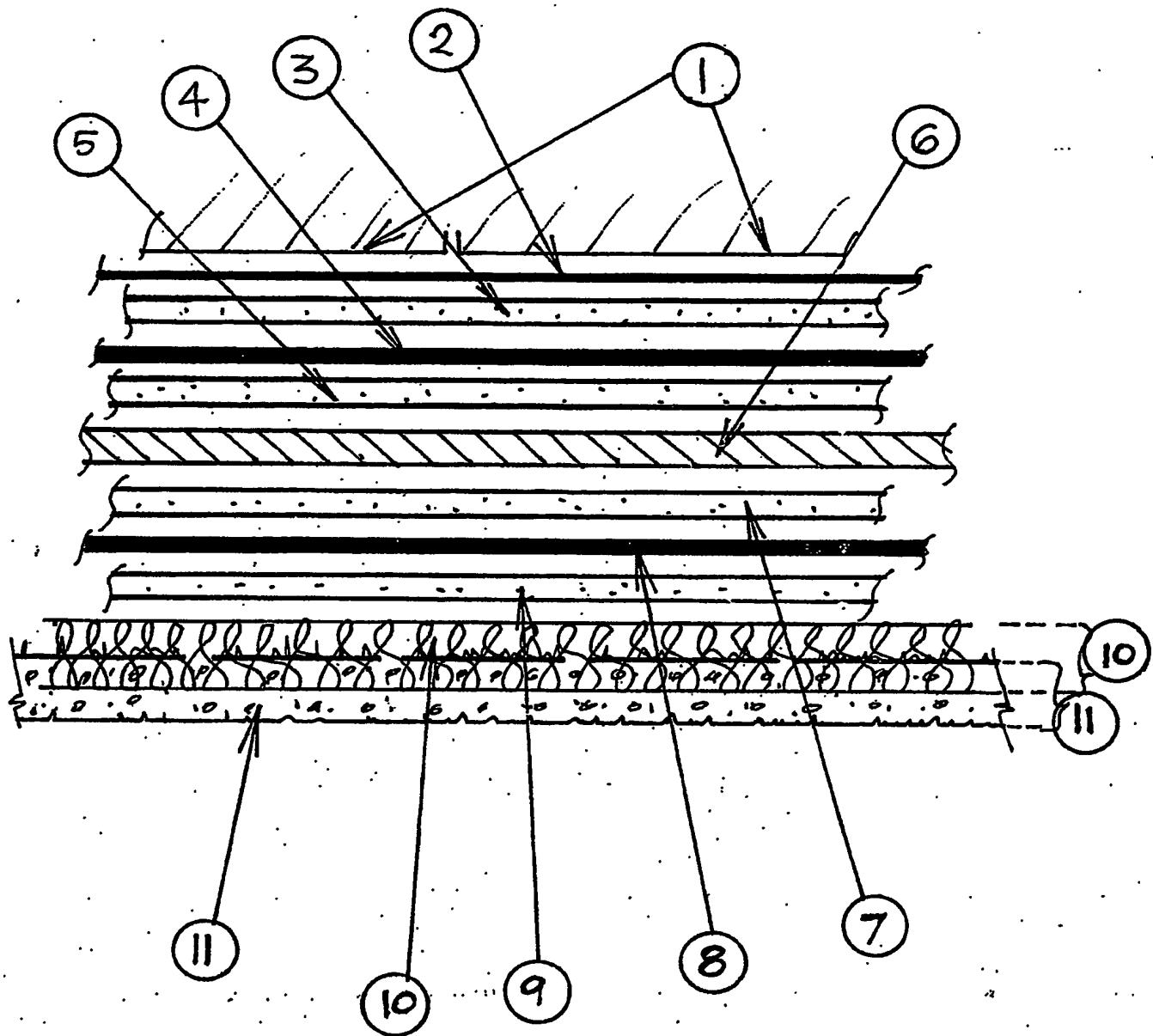
1. The wall wrapping is essentially a multi-layered wrapping that can be stretched over a base surface that has uneven surface and gaps. Therefore there is less stringent quality required in the preparation of these base surfaces if this wall wrapping is used. Other base surface treatments need more stringent preparation requiring skilled tradespersons.
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2. The application of the wall wrapping requires only semi-skilled persons to apply a render or protective paint over this blanket of woven matrix. Other similar rendering preparations require skilled tradespersons to apply a reinforcing mesh at the same time as a render application.
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3. This combination of material layers may be used for new construction and refurbishment of existing buildings and other structures.
95
4. There is reduced site preparation, saving site time and costs.
100
5. There is little waste of the wall wrapping, since all offcuts can be used to cover patching areas and future works..
105

Dated this 3rd day of July 2003.

Owen Derek BARR
Applicant and Inventor.

FIG I: **wall wrapping**
SECTIONAL DIAGRAM OF ELEMENTS OF THE WALL WRAPPING..

Note: The details indicated in this drawing should be considered in all respects as illustrative and not restrictive.



The above numbers (1 to 11) indicate each element referred to on page 3 of the attached specification.

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